APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

S99P0100US00

S99P0100US00

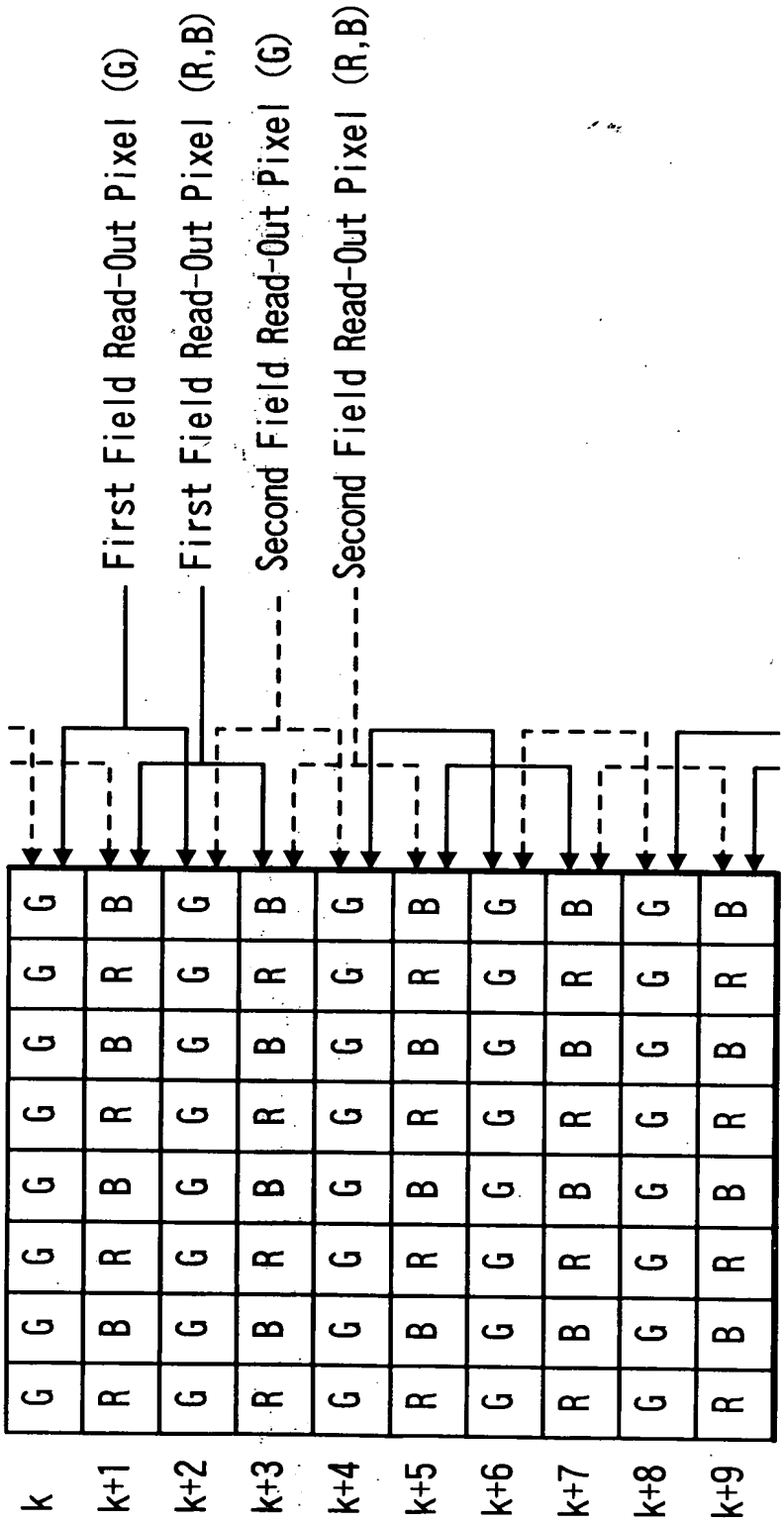
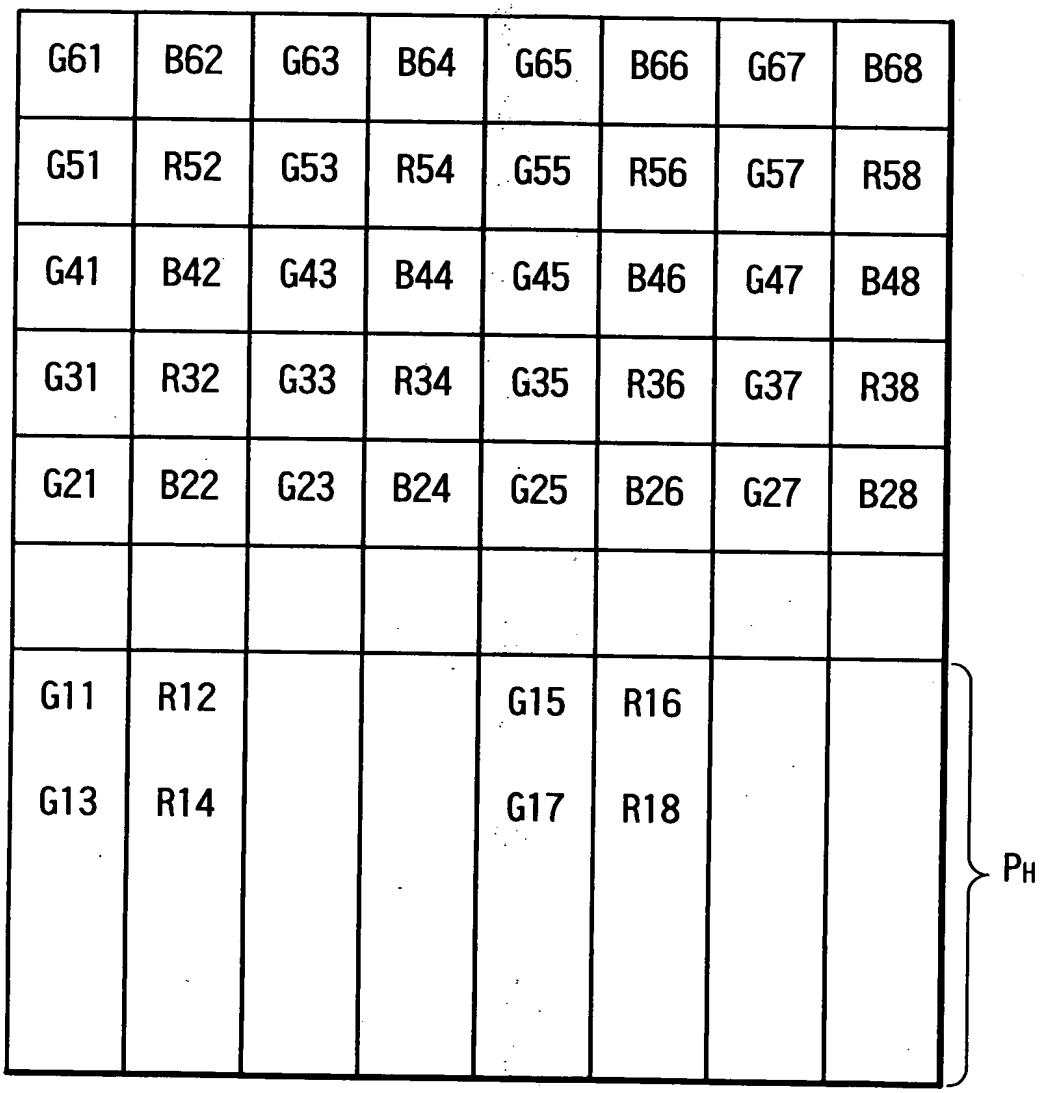


FIG. 1

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 2



APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

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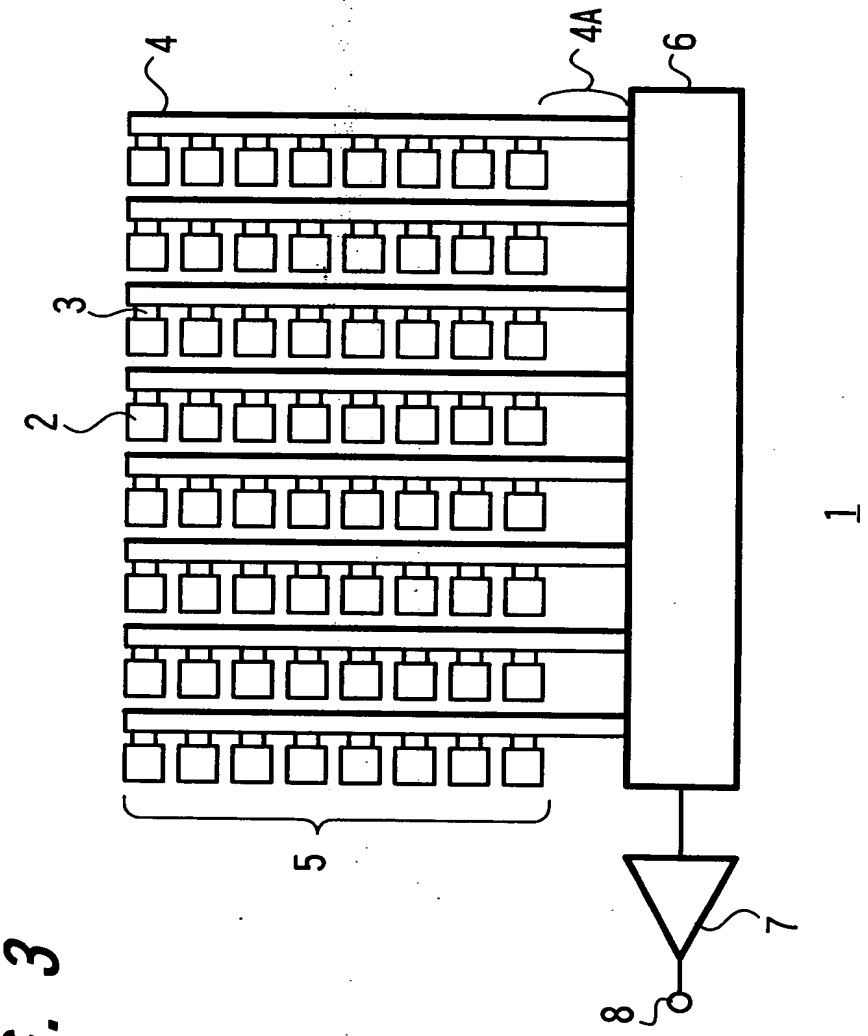


FIG. 3

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 4

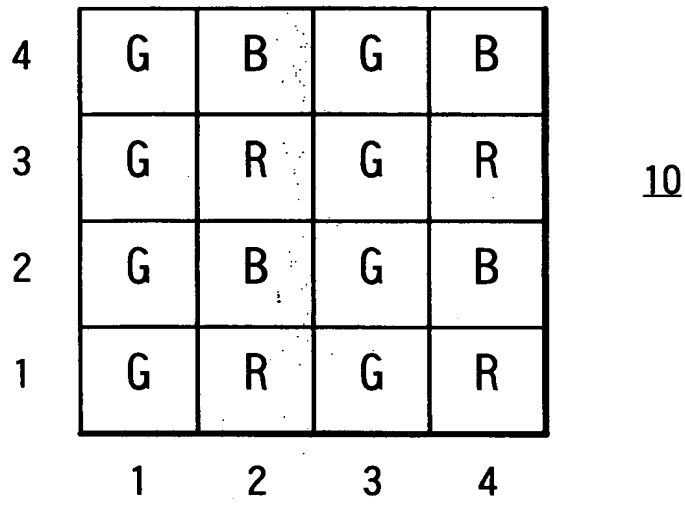
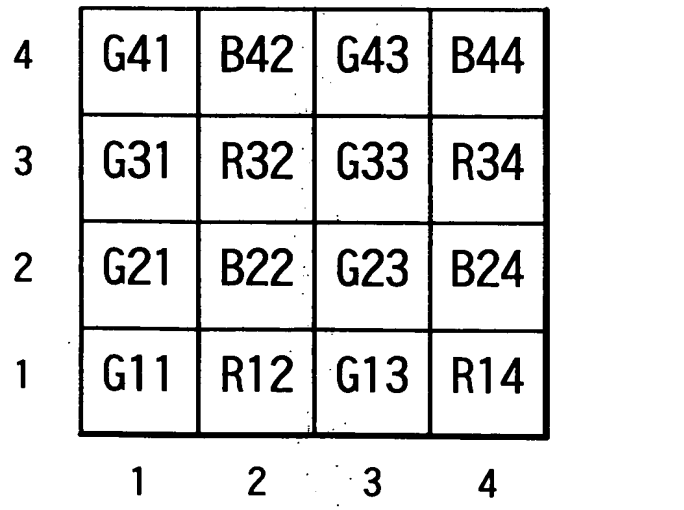
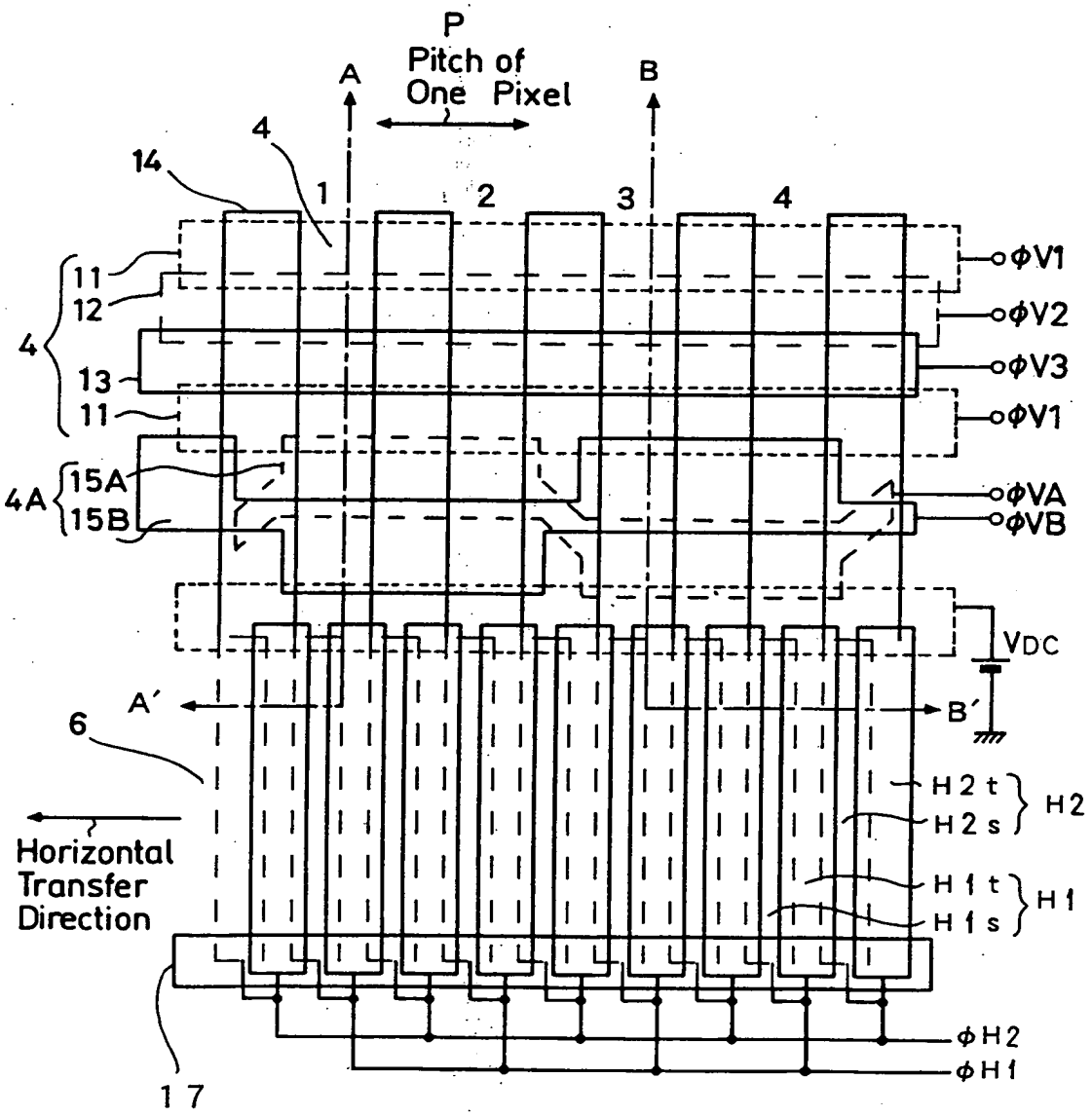


FIG. 5



APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 6



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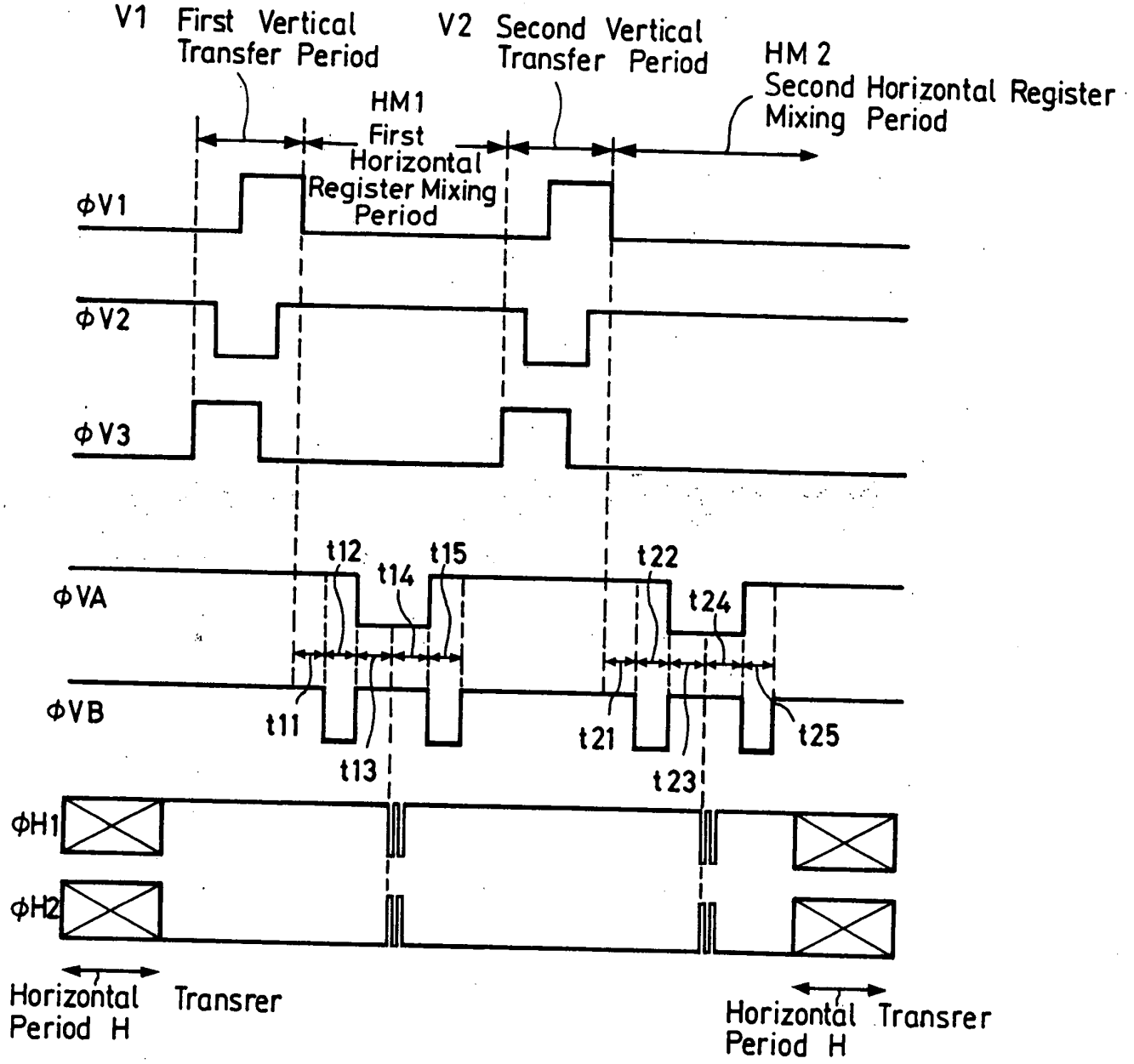
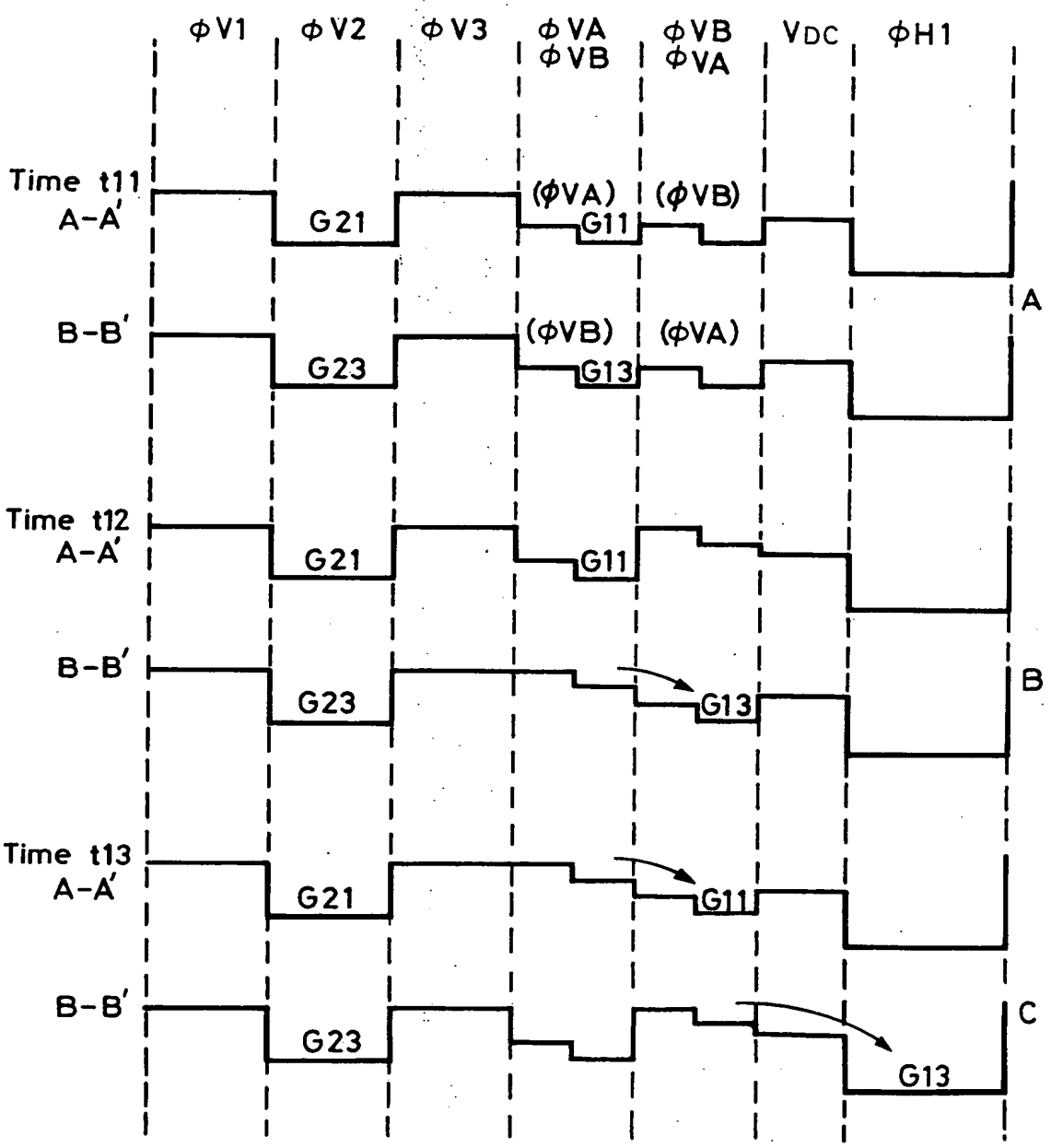
CLASS SUBCLASS
FIG.

FIG. 7



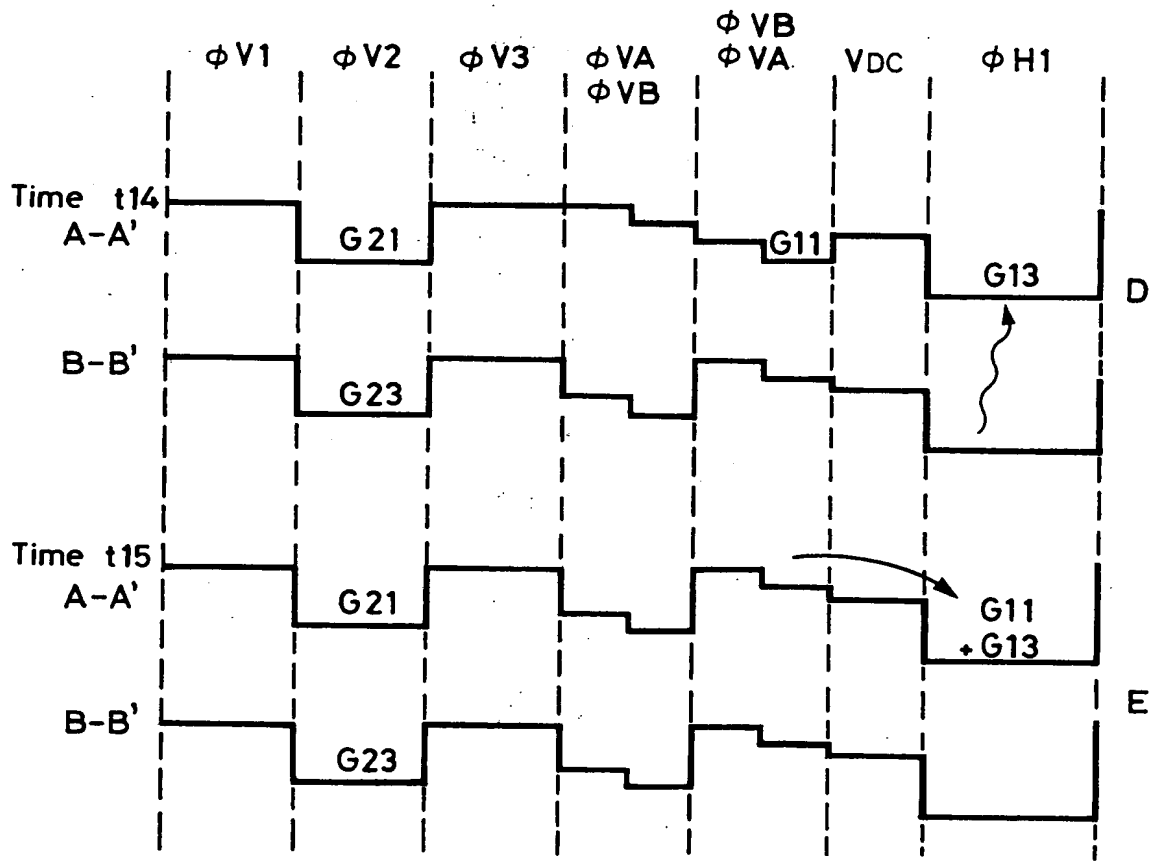
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 8



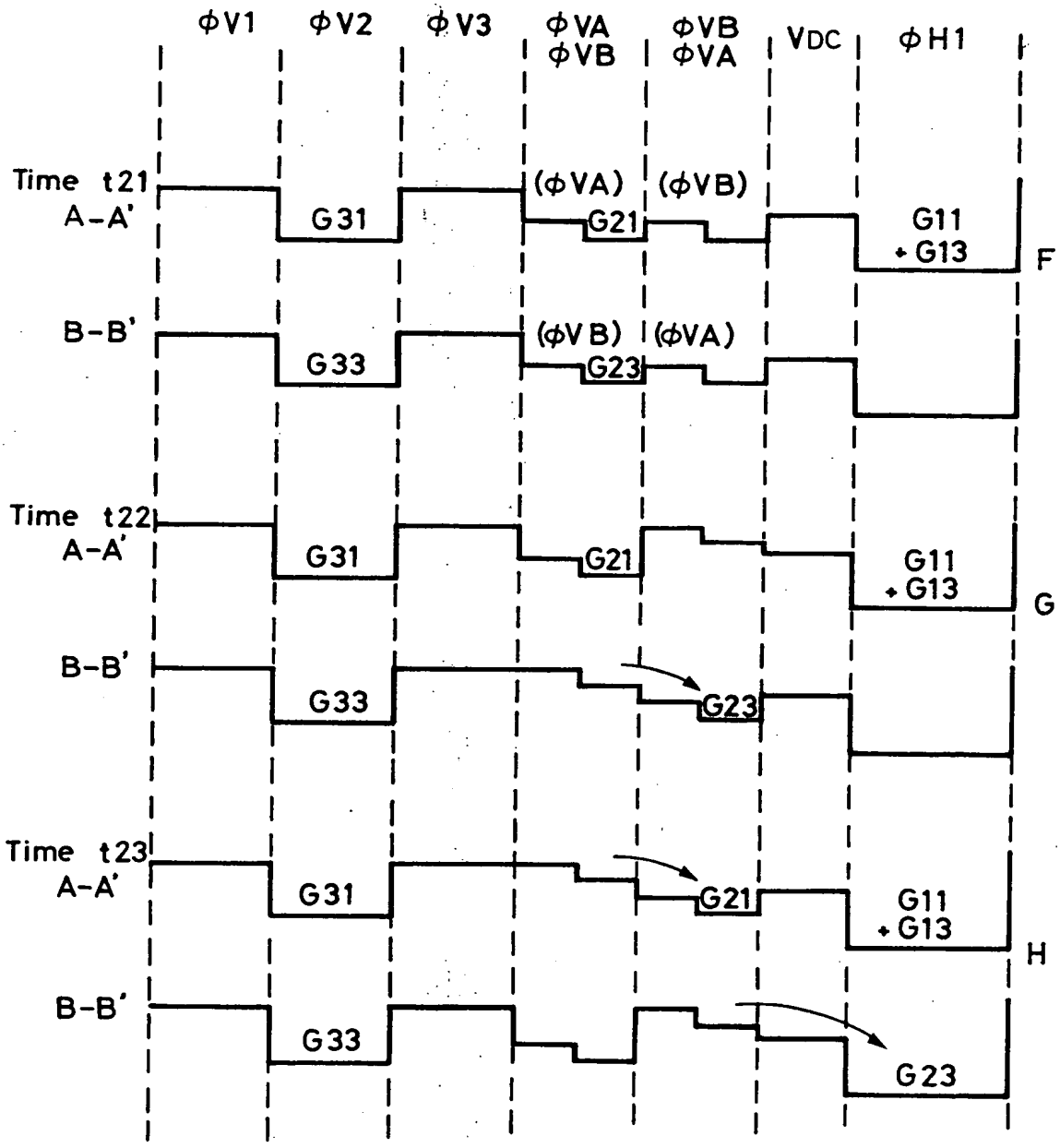
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 9



DRAFTSMAN

FIG. 10



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SUBCLASS
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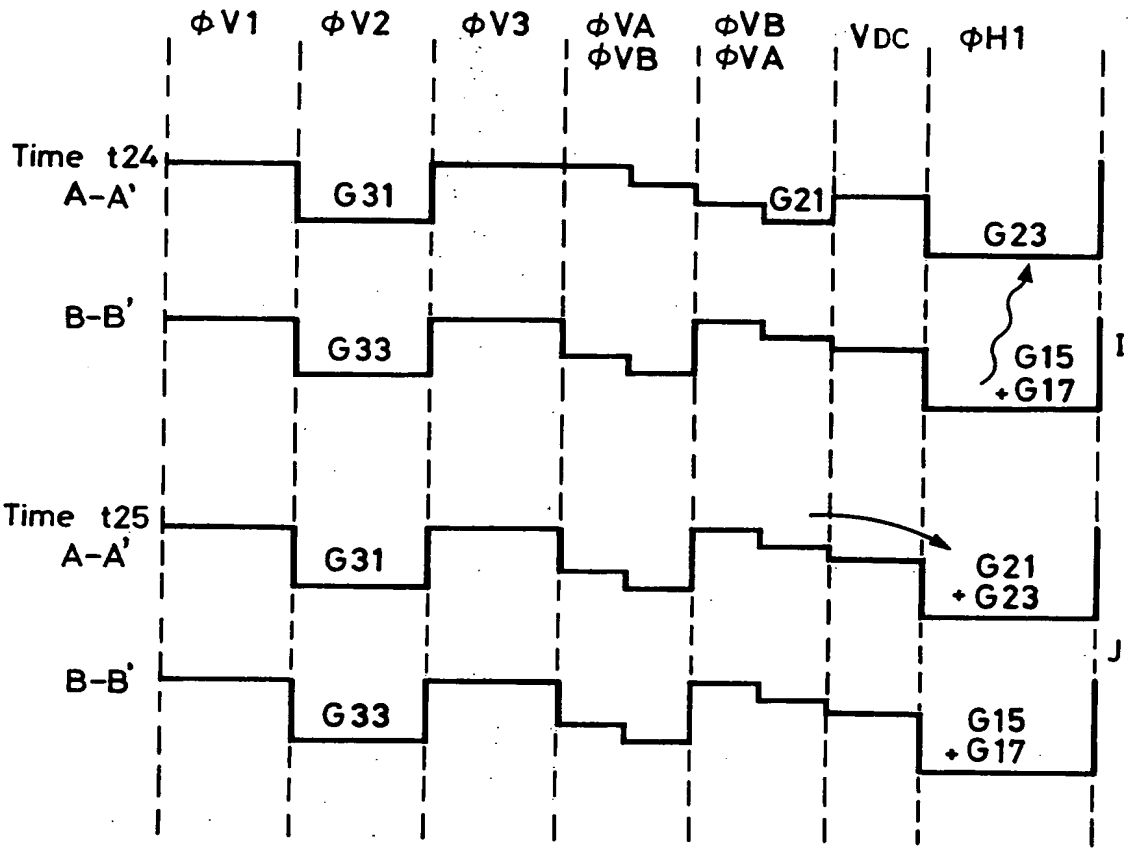
FIG. 11



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APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 12

State Obtained at Time t11

G51	R52	G53	R54	G55	R56	G57	R58
G41	B42	G43	B44	G45	B46	G47	B48
G31	R32	G33	R34	G35	R36	G37	R38
G21	B22	G23	B24	G25	B26	G27	B28
G11	R12	G13	R14	G15	R16	G17	R18

P_V Signal Packet of Vertical CCD Register

P_{AB} Signal Packet of A Region and B Region

P_H Signal Packet of Horizontal CCD Register

A

State Obtained at Time t12

G51	R52	G53	R54	G55	R56	G57	R58
G41	B42	G43	B44	G45	B46	G47	B48
G31	R32	G33	R34	G35	R36	G37	R38
G21	B22	G23	B24	G25	B26	G27	B28
G11	R12			G15	R16		
		G13	R14			G17	R18

B

A Region

B Region

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APPROVED
O.G. FIG.
CLASS
SUBCLASS

FIG. 13

State Obtained at Time t13

G51	R52	G53	R54	G55	R56	G57	R58
G41	B42	G43	B44	G45	B46	G47	B48
G31	R32	G33	R34	G35	R36	G37	R38
G21	B22	G23	B24	G25	B26	G27	B28
G11	R12			G15	R16		
		G13	R14			G17	R18

C

State Obtained at Time t14

G51	R52	G53	R54	G55	R56	G57	R58
G41	B42	G43	B44	G45	B46	G47	B48
G31	R32	G33	R34	G35	R36	G37	R38
G21	B22	G23	B24	G25	B26	G27	B28
G11	R12						
G13	R14			G17	R18		

D

State Obtained at Time t15

G51	R52	G53	R54	G55	R56	G57	R58
G41	B42	G43	B44	G45	B46	G47	B48
G31	R32	G33	R34	G35	R36	G37	R38
G21	B22	G23	B24	G25	B26	G27	B28
G11	R12			G15	R16		
G13	R14			G17	R18		

E

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APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 14

State Obtained at Time t21

G61	B62	G63	B64	G65	B66	G67	B68
G51	R52	G53	R54	G55	R56	G57	R58
G41	B42	G43	B44	G45	B46	G47	B48
G31	R32	G33	R34	G35	R36	G37	R38
G21	B22	G23	B24	G25	B26	G27	B28
G11	R12			G15	R16		
G13	R14			G17	R18		

F

State Obtained at Time t22

G61	B62	G63	B64	G65	B66	G67	B68
G51	R52	G53	R54	G55	R56	G57	R58
G41	B42	G43	B44	G45	B46	G47	B48
G31	R32	G33	R34	G35	R36	G37	R38
G21	B22			G25	B26		
		G23	B24			G27	B28
G11	R12			G15	R16		
G13	R14			G17	R18		

G

State Obtained at Time t23

G61	B62	G63	B64	G65	B66	G67	B68
G51	R52	G53	R54	G55	R56	G57	R58
G41	B42	G43	B44	G45	B46	G47	B48
G31	R32	G33	R34	G35	R36	G37	R38
G21	B22			G25	B26		
G11	R12	G23	B24	G15	R16	G27	B28
G13	R14			G17	R18		

H

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APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 15

State Obtained at Time t24

G61	B62	G63	B64	G65	B66	G67	B68
G51	R52	G53	R54	G55	R56	G57	R58
G41	B42	G43	B44	G45	B46	G47	B48
G31	R32	G33	R34	G35	R36	G37	R38
G21	B22			G25	B26		
		G15	R16			G19	R110
G23	B24	G17	R18	G27	B28	G111	R112

I

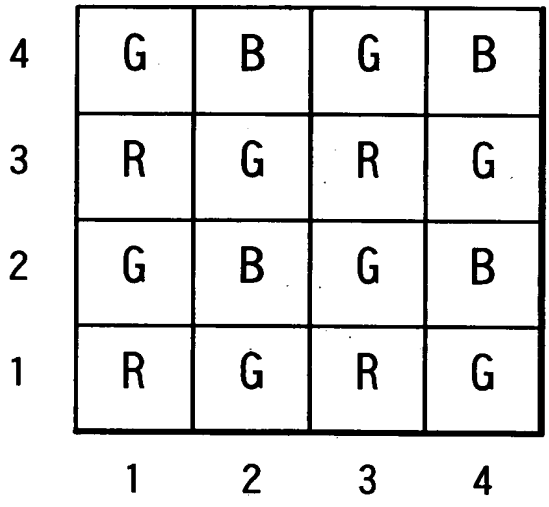
State Obtained at Time t25

G61	B62	G63	B64	G65	B66	G67	B68
G51	R52	G53	R54	G55	R56	G57	R58
G41	B42	G43	B44	G45	B46	G47	B48
G31	R32	G33	R34	G35	R36	G37	R38
G21	B22	G15	R16	G25	B26	G19	R110
G23	B24	G17	R18	G27	B28	G111	R112

J

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 16



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APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 17

G81 + G61	B82 + B62	G83 + G63	G84 + G64	G85 + G65	B86 + B66	G87 + G67	B88 + B68	P_V
G71 + G51	R72 + R52	G73 + G53	R74 + R54	G75 + G55	R76 + R56	G77 + G57	R78 + R58	
G41 + G21	B42 + B22	G43 + G23	B44 + B24	G45 + G25	B46 + B26	G47 + G27	B48 + B28	
G31 + G11	R32 + R12	G33 + G13	R34 + R14	G35 + G15	R36 + R16	G37 + G17	R38 + R18	P_{AB}
								P_H

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 18

G111 + G91	R112 + R92	G113 + G93	R114 + R94	G115 + G95	R116 + R96	G117 + G97	R118 + R98
G81 + G61	B82 + B62	G83 + G63	B84 + B64	G85 + G65	B86 + B66	G87 + G67	B88 + B68
G71 + G51	R72 + R52	G73 + G53	R74 + R54	G75 + G55	R76 + R56	G77 + G57	R78 + R58
G21	B22	G15	R16	G25	B26	G19	R110
G23	B24	G17	R18	G27	B28	G111	R112
G41	B42	G35	R36	G45	B46	G39	R310
G43	B44	G37	R38	G47	B48	G311	R312

P_V

P_{AB}

P_H

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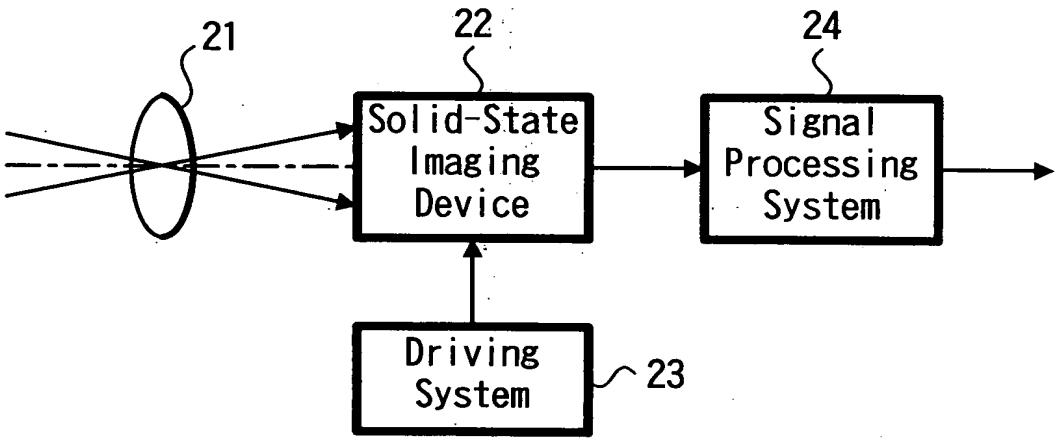
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 19



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